P23967.P06

**EXAMINER** 

FEB 1 1 2004

TRADEW! Form PTO-1449

U.S. Department of Commerce Patent and Trademark Office

Atty. Docket No. P23967

Serial No. 10/687,638

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant Kiyoshi KAWANO et al.

## Filing Date Group 2874 October 20, 2003 U.S. PATENT DOCUMENTS FILING DATE **EXAMINER DOCUMENT NUMBER** DATE NAME **CLASS SUBCLASS** IF APPROPRIATE INITIAL /TJH/ 2001/ 0 0 2 8 9 8 10/11/01 HAGA et al. 4 0 6 7 0 2 7 01/02/78 YAMAZAKI 6 2 9 8 8 04/21/81 ISHIBAl et al. 4 2 0 0 6 5 08/23/83 **NAGLER** 5 5 8 3 6 9 2 12/10/96 **FUNATSU** 5 7 2 9 3 9 0 03/17/98 ABE 7 2 6 6 5 07/20/99 **HASUSHITA** 8 8 0 5 3 07/11/00 HAMMACK et al. 7 2 5 7 04/17/03 ABE 2003 / 0 6 FOREIGN PATENT DOCUMENTS **TRANSLATION** COUNTRY DOCUMENT NUMBER DATE **CLASS SUBCLASS** YES NO 7 JAPAN 8 08/02/61 Х 2 3 7 9 9 05/19/82 Х 7 9 0 **JAPAN** 5 9 9 05/06/87 **JAPAN** X 6 2 6 1 5 2 3 2 01/08/93 **JAPAN** Х 6 2 3 3 0 01/14/94 **JAPAN** Х 7 8 8 4 8 02/07/95 **JAPAN** Х 7 X 2 8 8 10/27/95 JAPAN 7 9 9 6 09/17/99 JAPAN 11 2 4 8 5 04/11/97 **JAPAN** Х 2 2 5 6 6 4 5 5 5 10/10/01 **JAPAN** 2 8 2001 2001 3 8 6 8 11/09/01 **JAPAN** W.I.P.O. 0 5 5 3 07/19/01 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) English Language Abstract of JP 11-248996. /TJH/ English Language Abstract of JP 2001-311868. 03/17/2007 /Timothy J. Henn/

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

/o··	~ · · · · · · · · · · · · · · · · · · ·	
FEB 1	1 2004 25	

_					
Form	P	10-	144	עו	

J.S. Department of Commerce Patent and Trademark Office

Atty. Docket No. P23967

Scrial No. 10/687,638

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)

Applicant Kiyoshi KAWANO et al.

Filing Date

Group

## October 20, 2003 2874 **U.S. PATENT DOCUMENTS EXAMINER FILING DATE** DATE DOCUMENT NUMBER **CLASS SUBCLASS** IF APPROPRIATE INITIAL NAME /TJH/ 9 04/17/03 ABE 2003 / 2 0 Į 0 2003/ 0 0 б 3 3 8 2 04/03/03 HIRUNUMA et al. 1 04/03/03 2003 / 0 0 6 3 3 8 ABE 8 4 05/08/03 2003 / 0 0 6 6 ABE 2 0 9 04/03/03 ENOMOTO et al. 2003 / 0 0 6 3 6 3 8 9 04/03/03 HIRUNUMA et al. 2003 / 0 0 1 0 0 6 3 3 8 0 04/03/03 HIRUNUMA et al. 2003 / 0 5 8 0 7 08/14/03 HIRUNUMA et al. 2003 / 2003 / 0 5 1 8 0 8 08/14/03 HIRUNUMA et al. 0 2003 / 0 1 5 6 6 08/14/03 HIRUNUMA et al. /TJH/ 2003 / 0 2 0 2 ı 8 10/30/03 HURUNUMA et al. FOREIGN PATENT DOCUMENTS TRANSLATION **SUBCLASS DOCUMENT NUMBER** DATE COUNTRY **CLASS** YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) **DATE CONSIDERED EXAMINER** /Timothy J. Henn/ 03/17/2007

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance

and not considered. Include copy of this form with next communication to applicant.

FORM PTO-		U.S. Dej Patent	P23967 Arry. Docket No. Application No. 10/687,638							
A Ho	NFORM	MATION DISCLOSURE STAT BY APPLICANT	емент		Applican Kiyoshi I	t KAWANO et a	ıl.			
FEB 2 8 2007	OFFICE.	(Use several sheets if necessary)			Filing Date October 20, 2003			Group 2622		
13.	3		U.S. PATEN	T DOCUME	ENTS					
EXCLARGADE INITIAL		DOCUMENT NUMBER	DATE	1	NAME	CLASS	su	BCLASS	FILING IF APPR	DATE OPRIATE
					-		ļ			
					<del></del>		-			
							<del> </del>		ļ	
							<u> </u>			
							<b> </b> -			
							<b>_</b>		-	
							<u> </u>			
		ļ								
			<u> </u>				<del> </del>	•		
<u></u>							<del> </del>			
			-				╂			
	<u></u>		PODEICN BAT	ENT DOCL	IMENTS		ــــــــــــــــــــــــــــــــــــــ		<u></u>	
		<u> </u>	FOREIGN PAT	ENT DOCK	WIENIS	T			TRANS	LATION
		DOCUMENT NUMBER	DATE	. cor	NTRY	CLASS	SUB	CLASS	YES	NO
/TJH/	2001	- 3 3 0 7 8 4	11/30/01	JAPAN					х	
										·
	ļ <del></del>									
					Aw.			<u> </u>		
			<u></u>	<u> </u>						. :
77 11 17	1.	OTHER DOCUME		Author, Titl	e, Date, Perti	nent Pages, Etc.)		<del>.</del>		· -
/TJH/	1	English language Abstract 2	001-330784.					-		: <u>-</u> .
	<u> </u>									
				<del></del>		<del></del>				
										· · · · · ·
								<del></del>	<del></del>	
	<del> </del>									
EXAMINER		/Timothy J. Henn/		DA	TE CONSIDI	ered 03	/17/2	007		<del></del>
*EXAMINER:	Initial if cit	ation considered, whether or not citation	n is in conforma						mance and no	t considered.
Include copy of	this form v	with next communication to applicant.								